Ren, Baolute USSN 10/721,139 Filed 11/25/03

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

- 1. (Currently Amended) A tubing configuration for use in a heat exchanger comprising:
 - at least two tubes, each tube having at least one channel therein for the passage of a heat exchange fluid; and
 - a connecting member arranged between and connected to the two tubes, the connecting member further comprising:
 - a plurality of spaced apart fins, each extending at an angle from a surface of the connecting member; and
 - a plurality of spaced apart openings extending through the

 connecting member, each spaced apart opening associated with one of the

 respective spaced apart fins,
 - wherein each of said spaced apart fins are generally aligned such that the

 anticipated direction of the airflow through the heat exchanger passes

 through the substantially spaced apart openings.
- 2. (Original) The tubing arrangement of claim 1, wherein a shape of the spaced apart fin matches a shape of the spaced apart opening associated therewith.
- 3. (Original) The tubing arrangement of claim 1, wherein the at least two tubes and the connecting member are extruded as one piece from an aluminum alloy.

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- 4. (Original) The tubing arrangement of claim 1, wherein an inner surface of the channel is smooth, non-smooth, or a combination thereof.
- 5. (Withdrawn) The tubing arrangement of claim 1, wherein the channel is divided into a number of smaller channels by one or more webs in the channel.
- 6. (Withdrawn) The tubing arrangement of claim 5, wherein inner surfaces of the channels are smooth, non-smooth, or a combination thereof, and surfaces of the one or more the webs are smooth, non-smooth, or a combination thereof.
- 7. (Withdrawn) The tubing arrangement of claim 1, wherein the connecting member is a multivoid tubing.
- 8. (Original) The tubing arrangement of claim 1, wherein the plurality of the spaced apart fins and openings extend along the connecting member in a longitudinal direction, a lateral direction or a combination of both directions.
- 9. (Original) The tubing arrangement of claim 1, wherein the fins are formed from the connecting member.
- 10. (Withdrawn) The tubing arrangement of claim 7, wherein the fins are formed from the multivoid tubing.
- interconnected by a plurality of tubing, the headers defining a plane generally perpendicular to a flow path of a gas passing over the plurality of tubing for heat exchange, the improvement comprising a plurality of the tubing configurations of claim 1, each tubing configuration interconnected between the headers in a stacked and angled relationship such that the

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plurality of fins of each connecting member are generally aligned along the gas flow path.

- 12. (Withdrawn) The heat exchanger of claim 1, wherein each connecting member is a multivoid tubing.
- 13. (Withdrawn) A tubing configuration for use in a heating exchanger comprising:

 a pair of tubes, each tube having a channel therein for the passage of a first heat exchange fluid; and

 a multivoid tubing having a number of passageways therein and being connected between the pair of tubes, the passageways adapted to receive a second heat exchange fluid.
- 14. (Withdrawn) The tubing arrangement of claim 13, wherein the pair of tubes and the multivoid tubing are extruded as one piece from an aluminum alloy.
- 15. (Withdrawn) The tubing arrangement of claim 13, wherein an inner surface of the channels and the passageways are smooth, non-smooth, or a combination thereof.
- 16. (Withdrawn) The tubing arrangement of claim 13, wherein each channel is divided into a number of smaller channels by one or more webs in the channel.
- 17. (Withdrawn) The tubing arrangement of claim 16, wherein an inner surface of each channels is smooth, non-smooth, or a combination thereof, and a surface of the one or more of the webs is smooth, non-smooth, or a combination thereof.

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- 18. (Withdrawn) In a heat exchanger comprising a pair of headers interconnected by a plurality of tubing, the improvement comprising a plurality of the tubing configurations of claim 13 as the tubing, each tubing configuration interconnected between the headers.
- fluid passes through tubes having heat exchange features attached thereto, the improvement comprising: providing the tubing configuration of claim 1 as the tubes of the heat exchanger, wherein the tubing configurations are oriented so that the fin projections are aligned generally in a direction so that of gas flow crossing the tubing configurations passes through the openings and substantially parallel to the fins; and passing a heat exchange fluid through channels in the tubes; and whereby, during heat exchanger operation, gas flows across the fin projections and through the openings in the connecting member for heat exchange purposes.
- 20. (Withdrawn) In a method of heat exchange wherein a cooling fluid passes through tubes having heat exchange features attached thereto, the improvement comprising: providing the tubing configuration of claim 13 as the tubes of the heat exchanger;

passing a first heat exchange fluid through channels in the tubes; and passing a second heat exchange fluid through passageways in the multivoid tubing.